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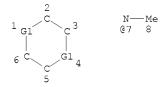
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http://www.cas.org/support/stngen/stndoc/properties.html

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L10 958692 SEA FILE=REGISTRY ABB=ON PLU=ON 46.383.1/RID L12 STR



VAR G1=NH/7 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE L14 10973 SEA FILE=REGISTRY SUB=L10 SSS FUL L12

100.0% PROCESSED 958675 ITERATIONS 10973 ANSWERS SEARCH TIME: 00.00.04

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr 120 tot

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L20 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
II 52978-33-3, Piperazine diphosphate
R1: RCT (Reactant): RACT (REACT (REACTANT): RACT (REACT (REACT (REACT NOTATION): RACT (REACT NOTATION):
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=> d bib abs hitstr 125 tot

RE.CNT 10

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L25 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2008 ACS ON STN
AN 2005:962339 EXAPLUS
DI 1431:283125
II Plame-retardant compositions with enhanced fluidity and flame-retardant resin compositions and moldings thereof
IM Mursse, Hisssin; Magahama, Heasaru; Toshikawa, Kenichi; Tanaka, Yuki;
Mursse, Hisssin; Magahama, Hasaru; Toshikawa, Kenichi; Tanaka, Yuki;
DE Post Int. Appl., Japan
CODEN: PIXXD2
DI Patent
L3 Japanese
PAN: CCT MIN DATE APPLICATION NO. DATE
PAZENT NO. KIND DATE APPLICATION NO. DATE
                                                            Japanese

CNT 1

PATENT NO.

RESIDENT NO.

MO2005902494

A 1 20059031

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MO2005902494

A 2 20059031

MO2005902494

MO2005902594

M
                                                                                   CRN 2466-09-3
CMF H4 07 P2
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ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2008 ACS ON STN
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CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
JP2005060537 A 20050310 2003JP-0229786 20030B13 <--
T 2003JP-0297786 2003JP-0297786 2003JP-0297786 2003JP-0297786
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CMF H4 07 P2
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ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:695489 HCAPLUS
DN 1411226372
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L25 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

The compns. contain (A) phosphate salts [NO[P(10) (ON]0]nH]XIP [XI = ammonia, triazine derivative 1; 21, 22 = 0M, SM, Cl-10 alk(ow)vl. Ph. vinyl, ammonia, triazine derivative 1; 21, 22 = 0M, SM, Cl-10 alk(ow)vl. Ph. vinyl, containing the containing of the containi

CM 1

CRN 2466-09-3 CMF H4 O7 P2

CRN 110-85-0 CMF C4 H10 N2

L25 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

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L25 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:670625 NCAPLUS
DN 141:182261
IP Jeperatine-1,4-ditum dihydrogendiphosphate
AU Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
Scholer, Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
AU Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
Scholer, Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
AU Charfi, Miriem; Joulini, Amor; Plerrot, Marcel
Costantia, Charlet, Charlet, Charlet, Charlet, Charlet, Charlet, Charlet, Color, Crystal Structure Communications (
1980, C54(8), ii, UL09800022
CODEN: ACSCE; ISSN: 0108-2701
BN History, Charlet, Charlet,
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ANSWER S OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:2983 HCAPLUS
DN 140:60551
N 140:60561
N 140:60661
N 140:6
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CRN 110-85-0 CMF C4 H10 N2 L25 ANSMER 5 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)

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RE.CNI 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L25 ANSWER 6 OF 18 HCAPLUS COPYRIGHI 2008 ACS on SIN
AN 2000:236827 EXAPLUS
D133:25827 EXAPLUS
D133:258287 EXAPLUS
TI [RE(CREDON)] (2UZPON)A: hydrothermal synthesis and single crystal
[RE(CREDON)] 2UZPON)A: hydrothermal synthesis and single crystal
UNITED STATES AND STATES A
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L25 ANSWER 8 OF 18 RCAPLUS COPYRIGHT 2008 ACS on STN
N 1985:505828 HCAPPLUS
COPYRIGHO 6: 1985:150354
DN 103:105828
COPYRIGHO 6: 102:150354
ORDER 103:16563a; 16568a
SUBJECTION 6: 103:150354
ORDER 103:16563a; 16568a
SUBJECTION 7: 103:150354
ORDER 103:16563a; 16568a
SUBJECTION 8: 103:16036a; 163:16036a; 163:1603
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125 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN

N 1995:680777 NCAPLUS

D 123:72596

II Insulating articles with high surface electrical resistivity and flame resistance provides (Pagliari, Alberto; Cipolli, Roberto; Bevilacqua, Alfonso

A Himont Incorp., USA

SO Eur. Pat. Appl., 7 pp.
COCORD: ENXING

D 2 PATENT NO. KIND DATE APPLICATION NO. DATE

FARENT NO. KIND DATE 19950422 1994GP-0116940 19941026 <--
ED 2005021 A 19950422 1994GP-0116940 19941026 <--
ED 2005021 A 19950427 1994GP-0126940 19941026 <--
ED 2005021 A 19950427 1994GP-0262889 19941026 <--
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ED 2005021 A 19950427 1994GP-0262889 19941026 <--
ED 2005021 A 19950427 1994GP-026289 19941026 <--
ED 2005021 A 19950427 1994GP-026289 19941026 <--
ED 200502 AB 199402 AB 19
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ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN

AN 1985:150354 HCAPLUS

DN 102:150354

GREF 102:25049a,23652a

II Plamsproof polymeric compositions

II Plamsproof polymeric compositions

DN Montedison S.p.A. Italy

SO Eur. Pat. Appl., 16 pp.
CODEN: EMYDN

DI Patent

A English

DRIEDT 100. KIND DATE APPLICATION NO. DATE

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PATENT NO. KIND DATE APPLICATION NO. DATE

PATENT NO. SEPECH N
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L25 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:190624 HCAPLUS
B8:190624 HCAPLUS
B8:19973a, 2976a
OREF 88:29973a, 2976a
OREF MINISTRAN
ADABAGE AND ANSWERS
ORGE, KNim., Frunse, USSR
ORGE, KNim., Puth Rayutt, KNim. Protrvod. Kirg. (1976), 57-9.
Editor(s): Afanas'ev, V. A. Publisher: "Ilim", Frunse, USSR.
CODEN: 37MCAM
OREF CODEN:
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L25 ANGMER 12 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STR
AN 1946-14289 HCAPLUS
N 494-14289 HCAPLUS
N 64:14289 HCAPLUS
OREF 64:179669-h
II The alkaloids of chinese drugs from Aconitum. VII. Thin-layer chromatography for aconite alkaloids
Chu, Tuan-lung; Lu, Chih-Chen; Chu, Jen-Hung
CS
Aconic Kinese blanghai, 1969, Rep. China
CSC HERPAL; ISSN: 0513-4870
DI Journal
LA Chinese
AB Cf. CA Ng. 16400c. Aconitine, mesaconitine, hypeconitine, delphine, of thin-layer chromatog, separation and identify these contents alkaloids.
Basic alumina of activity IV with particle size smaller than 150 mesh was a suitable developing agent.
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L25 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1974:570558 RCAPLUS
D 81:105558
OREF 81:263554,263984
TI PIPERATINE Phosphates as fire retardants for organic polymers
TI PIPERATINE PHOSPHATES AS FIRE PROPERTY OF THE PROPERTY OF T
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Answer 13 of 18 HCAPLUS COPIRIGHT 2008 ACS on STN

AN 1996:42398 HCAPLUS

DN 6:412398 GCAPLUS

CREE 64:7360g

IT Marrian Committee Commi
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- ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN

  N 1966:42987 HCAPLUS

  DR 64:42987 HCAPLUS

  DR 64:42987 HCAPLUS

  DR 64:42987 HCAPLUS

  DR 64:42987 HCAPLUS

  TI [unition and flame tests of organic pharmaceutical substances

  N Morvay, J.; Racz, l.; Gatt, L.

  Univ. Wed. Sci., Szeged, Hung.

  SO Gyogyszereszet (1965), 9(12), 472-3

  CODEN: GYOGAI; ISSN: 0017-6036

  DI Journal

  A Hungartan

  AB Tomar and (or! flame tests were conducted on 163 organic pharmaceutical compds. The combustion reaction of 19 compds, is described in some detail (mercurisalicylic acid, nicotinic acid, tamin, adrenaline, betaine-MCL, Bi salts of Ca gluconate and lactate, carbanide, quinine salts, ergotamine tartarate, soluble heparin, neostigmine bromide, papawerine-HCL, rutin, K Sb tartrate, sulfanilamide, Na theobromine salicylate).
- L25 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
  AN 1965:438398 HCAPPLUS
  DN 63:38398
  ORDEF 63:6800a-c
  TI Anthelmintic tablets
  IN Stephenson, Douglas
  SO 6 PD.
  DT Patent
  LA Unavailable
  FMA.CNT 1
  PATENT NO.

  PIG 8---994742 19650610 1960G8-0031223 1960099
  DF GB---994742 19650610 1960G8-0031223 1960099
  DF GG FOr diagram(s), see printed CA Issue.
  AB The preparation of tablets containing anthelmintics of the bephenium type, I, as an inner core and piperazine (II) in the outer coating is described. The coating of II may be uniform in thickness, or thicker on one side than on timer core and piperazine (II) in the outer coating is described. The coating of II may be uniform in thickness, or thicker on one side than on timer core and piperazine (II) in the outer coating is described. The coating contains as inner portion I (R = H, R\* = 2-thienyl) p-chlorobenzenesulfonate 216.25, alginic acid 2.165, potato starch 43.25, and Mg stearate 3.25 mg. The coating contains II phosphate 260, lactose 78, destrose monohydrate or sucrose 78, potato starch 26, and Mg stearate 5.2 mg. The completed tablet of thickness 5.75 ms. and diameter 12.6 ms. contains a hole in one face of diameter 4-6 ms. and depth 1 me tablets allow controlled release of the anthelmintic components.

- L25 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
  NN 1965:138397 RCAPLUS
  NN 631:8339.
  OREF 631:6799h,6800a
  II Medication compositions disintegrating rapidly in solutions
  IN Persson, Roll G. H.; 5jogren, John A.
  Aktiebolag Hassle, Apotekare Paul Nordstrons Fabriker
  50 8 pp.
  Patent
  Patent
  FAB. CHI
  FAB. CHI Persson, Molius in Joyacen, South Carlos Aptichage Ratio Paul Nordstroms Fabriker Akticholag Hassle, Apotekare Paul Nordstroms Fabriker Patent Unavailable
  CNT 1
  PATENT NO. KIND DATE APPLICATION NO. DATE
  FRE-1397102 19695430 1960FR-084547 19601121
  SS 19691233 Granular compns. containing a drug or food are mixed with 54 (of mixture) Cacitrate (I) and the mixts. are compressed to give tablets and pills which have good chemical resistance and disintegrate in aqueous solns. Thus, a mixture of active substance 200, I 365, potato starch 60, talc 272, Mg stearate 3, and poly(vinylpyrolidone) 5 mg, is granulated and compressed. The product invested calls of give a solution of the substance 200, I 365, potato starch 60, talc 272, Mg stearate 3, and poly(vinylpyrolidone) 5 mg, is granulated and compressed. The product invested calls of give a solution of the substance 200, I 365, potato starch 60, and I manuscup (37°) in 30 s. as compared with 30 min. for a control in which I is replaced by 325 mg. lactose and 40 mg. potato starch.
- ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2008 ACS on STN
  AN 1965:54367 HCAPLUS
  DN 62:54367
  DN 62:

- 2.5 ANSMER 18 OF 18 HCAPPLUS

  NN 1965:54366 HCAPPLUS

  NN 62:54366

  NN 64:54366

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assignees, and patent information, e.g., patent numbers, are
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CBIB ---- AN, TI, AU, PA, PI
DALL ---- ALL, delimited (end of each field identified)
IND ---- Indexing data
MAX ---- Same as ALL
SAM ---- TI, IT
SCAN ---- TI, IT (random display, no answer numbers;
         SCAN must be entered on the same line as the DISPLAY,
         e.g., D SCAN or DISPLAY SCAN)
STD ---- BIB
IALL ---- ALL, indented with text labels
IBIB ---- BIB, indented with text labels
ISTD ---- STD, indented with text labels
HIT ---- Fields containing hit terms
HITIND -- IT
HITRN --- HIT RN
HITSTR -- HIT RN, its CA index name and its structure diagram
FHITSTR - First HIT RN, its CA index name and its structure diagram
OCC ---- Number of occurrence of hit term and fie ld in which it occurs
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Numbers (AN) CA References.
Index Terms in CAOLD include only Registry Numbers; no
subject terms are available. The same formats (except
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the record for a specified CAOLD Accession Number.
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         abstract of the answer.
PAGE.PREV and PAGE.NEXT will return the image of the page before or after
          the current answer.
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L23	ANSWER 2 OF 3	HCAOLD	COPYRIGHT	2008	ACS	on	ST
AN	CA63:6800a C	AOLD					
TI	anthelmintic tablets						
AU	Stephenson, Douglas						
PA	Wellcome Foundation Ltd.						
DT	Patent						
	PATENT NO.	KIND	DATE				
PI GB994742							
IT	1951-97-9	4304-40-9					

L23 ANSWER 3 OF 3 HCAOLD COPYRIGHT 2008 ACS on STN
AN CA62:9657d CAOLD
T active of some anthelmintics against Ascaridia galli
AU Guevara Poro, Diego: Saenz-Beltran, F.
II 186-77-6 142-88-1 1951-97-9 93505-75-0

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http://www.cas.org/support/stngen/stndoc/properties.html

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L1
             1 US20060167256/PN
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               TRA L1 1- RN :
    FILE 'REGISTRY' ENTERED AT 21:08:55 ON 08 JAN 2008
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L3
L4
                STR
             13 T.4
1.5
L6
                STR L4
L7
                STR L6
L8
              1 L7
               E PIPERAZINE/CN
L9
              1 E3
L10
       958692 46.383.1/RID
L11
              1 L7 SAM SUB=L8
L12
               STR L4
              5 L12 SAM SUB=L10
L13
L14
          10973 L12 FULL SUB=L10
               SAV TEM L14 J478C1/A
T.15
             93 L14 AND (H407P2 OR H304P)
L16
              2 L15 AND L3
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           159 L15 AND (PD<=20040827 OR AD<=20040827 OR PRD<=20040827)
L17
L18
             14 L16
             12 L18 AND (PD<=20040827 OR AD<=20040827 OR PRD<=20040827)
L19
L20
             1 L19 AND L1
             11 L19 NOT L20
L21
             61 L17 AND L15 (L) PREP+NT/RL
L22
    FILE 'HCAOLD' ENTERED AT 21:33:40 ON 08 JAN 2008
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              3 L15
                SEL AN
                EDIT E1-E3 /AN /OREF
    FILE 'HCAPLUS' ENTERED AT 21:34:39 ON 08 JAN 2008
L24
             7 E1-3
L25
            18 L21, L24
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=> b hcap

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L33 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 AC5 on STN
AN 2005:371235 KKAPLUS
D1 142:42276
TI High-purity piperarine pyrophosphate and method for producing same
Kimura, Ryoji; Murase, Hisashi; Nagahama, Masaru; Kamimoto, Tetsuo;
Nakamo, Shinji
D4 Asahi Denka Co., Ltd., Japan
CODEN: DFIXEO2
CODEN: DFIXEO2
L0 A Japanese
FAN.CNI 1
FAZENT NO. KIND DATE APPLICATION NO. DATE
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                                        State Point Pyperasine Pyrophosphate to Intertooting agency of the State Point Pyperasine State Page 12978-33-3 | Speparaine diphosphate Ri. RCT (Reactant): RACT (Reactant or reagent) (high-purity piperasine pyrophosphate for fireproofing agents for plastics) (6034-17-18, Piperasine monopyrophosphate Ri. IBF (Industrial manufacture): MOA (Modifier or additive use): PREP (Preparation): USES (USES) (1998) (high-purity piperasine pyrophosphate for fireproofing agents for plastics)
    IT
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                                   plastics)
6034-17-1
6019sphoric acid, compd. with piperazine (1:1) (CA INDEX NAME)
                                        CM 1
                                          CRN 2466-09-3
CMF H4 07 P2
                                 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STR 2001:782258 HCAPLUS 136:224668 Characteriation of a new organic-cation monohydrogenmonophosphate dihydrate: C6H16N2HRD4.2H20 Enauth des Sciences de Monastir, Departement de Characteriation Jouini, A. Peaulte des Sciences de Monastir, Departement de Chimie, Laboratorize de Chimie du Solide, Monastir, 5000, Tunisia Journal de la Societe Chimique de Tunisie (2001), 4(9), CODEM: SSCIDP, ISSN: 0253-1208 Societe Chimique de Tunisie English A new organic phosphate C6H16N2HRD4.2H20 (2.6HDMPH) was prepared by interaction of H3DO4 with the organic mol. 2,6-dimethylpiperazine. This compound crystallizes in monoclinic system space group P21/c, with a 13.271(3), b 10.01 (2.17), may 1.367; R = 0.036, FW = 0.032 for 5158 reflections. The structural matrix is made up of a three dimensional network of O(W)-H... O, O(P)-H... On and h-H... O, H bonds. The thermal decomposition of 2,6-dimMPH shows two large endothermic effects at 127 and 1527, corresponding to the elimination of HZO mols. and a set of endotherms, From 170 to 300°4, 10 H of the dehydration, deduced from the DSC thermogram, is 82.61 kJ/mol. The FR study, based on theor. analyses and literature data, allows interpretation of the IR spectrum. 75-8 (Crystalloyraphy and liquid Crystals) Sebystration enthalpy Debydration enthalpy Debydration reaction (IR spectra
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                                        Dehydration reaction
IR spectra
Thermal decomposition
(of dimethylpiperazinium hydrogen phosphate dihydrate)
402570-39-2P
                                 (or aimenylpiperalinium hydrogen phosphate dihydrate)
202570-39-29
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation)
; PREP (Properties); RCT (Reactant); Control (Respect of the Cont
    тт
                                          CRN 7664-38-2
CMF H3 04 P
                                        CM 2
                                          CRN 108-49-6
CMF C6 H14 N2
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RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

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133 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
     CM 2
CM 1
     CRN 7664-38-2
CMF H3 O4 P
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     CRN 110-85-0
CMF C4 H10 N2
RE.CNT 8
              THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
L33 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS ON STN ALL CITATIONS AVAILABLE IN THE RE FORMAT
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1.33 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1958:729545 RCAPLUS
AN 1958:729545 RCAPLUS
TI Intercalation of nonlinear amines into γ-titanium phosphate
AU Espina, Ardnrasuy Jaimes, Enrique; Rhainakov, Sergei A.; Trobajo, Camino;
Rodriques, Julio; Garcia, Jose R.
CS Departamento de Quinica Organica e Inorqanica, Universidad de Oviedo,
Oviedo, 3071, Spain
CODEN, JNREES; ISSN: 0884-2914
B Materials Research Society
J Journal
LEnglish
AB Tribania Principal Programs (1998), 13(11), 3304-3314
CODEN, JNREES; ISSN: 0884-2914
B Materials Research Foolety
D Journal
LEnglish
AB Tribania Principal Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L33 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
                                                            CM 1
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CMF H3 O4 P
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                                                            CM 2
                                                            CRN 110-85-0
CMF C4 H10 N2
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RE.CNI 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HCAOLD' ENTERED AT 21:37:03 ON 08 JAN 2008) FILE 'REGISTRY' ENTERED AT 21:37:35 ON 08 JAN 2008 FILE 'HCAPLUS' ENTERED AT 21:58:42 ON 08 JAN 2008 E DEHYDRATION/CT

E E3+ALL L27 21710 E2+NT E E3+ALL L28 27969 E3+OLD E DEHYDRATION, PHYSIOLOGICAL/CT E E3+ALL L29 21804 E3+OLD L30 2 L22 AND L27-29

1 L15 (L) FORM+NT/RL 0 L31 AND L27-29 L31 L32 L33 3 L30-31

FILE 'HCAPLUS' ENTERED AT 22:07:03 ON 08 JAN 2008

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